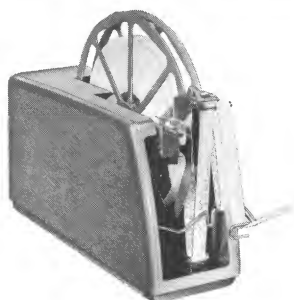# TELETYPE
TAPE HANDLING
EQUIPMENT

TELETYPE

This equipment is designed to assist you in winding, unwinding or splicing paper tapes used by Teletype message and data communications equipment. Available in various operational speeds and tape storage capacities, these devices serve in a variety of applications. They are low in cost, high in performance and easy to maintain.

Each unit is listed by its Teletype Code or Teletype Part Number. Additional units can be found by referring to the Applications Sections.

TW 17 TAPE WINDER*

This unit provides easy access to and removal of the tape reel, and is equipped with an indicator contact assembly for an external alarm. Split-reel core allows easy removal of tape. Cabinet is optional, Part No. 148135.

|	
Weight: 18 lbs.	Reel Speed: Up to 2000 WPM at core
Height: 17¼ inches	Reel Size: 15½ inches
Width: 5½ inches	Core Size: 4½ inches
Length: 23½ inches	Capacity: 3000 ft. fully perforated tape / 2000 ft. chadless tape
Motor: 115 volt, 50-60 cycle, a.c.	Tape Widths: 11/16, ⅞ and 1 inch

TW 18 TAPE WINDER*

The TW 18 is a rim-driven tape winder which allows reel to be removed from top or front. Its base includes power and driving mechanisms, a tape tension device, clutch engage-disengage mechanism and rollers for tape reel engagement. Cover is optional, Part No. 194770.

|	
Weight: 14 lbs.	Reel Speed: 30 RPM; 300 WPM at core
Height: 13½ inches	Reel Size: 12 inches
Width: 6 inches	Core Size: 2 inches
Length: 17½ inches	Capacity: 2000 ft. fully perforated tape / 1000 ft. chadless tape
Motor: 115 volt, 50-60 cycle, a.c.	Tape Widths: 11/16, ⅞ and 1 inch

TW 19 TAPE WINDER*
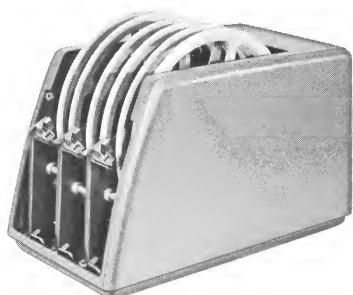
The TW 19 is similar to the TW 18 tape winder, but is equipped with 3 reels which are removed from the top. Equipment mounted on the base is identical to the TW 18. Cover is optional, Part No. 195105.

Weight: 26½ lbs.	Reel Speed: 30 RPM; up to 300 WPM at core
Height: 13½ inches	Reel Size: 12 inches
Width: 10 inches	Core Size: 2 inches
Length: 17½ inches	Capacity: 2000 ft. fully perforated tape / 1000 ft. chadless tape
Motor: 115 volt, 60 cycle, a.c.	Tape Width: 11/16, ⅞ and 1 inch

*Available in various colors

TAPE WINDERS

146821 TAPE WINDER*
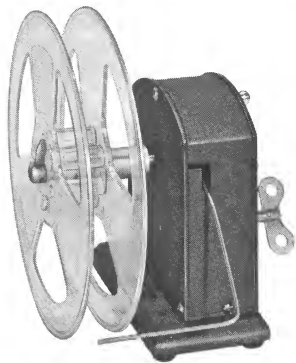
This spring-driven tape winder is equipped with a special spindle and plastic reel directly interchangeable with those of High Speed Telespeed Equipment. It includes provisions for fixed mounting.

Weight: 4½ lbs.
Height: 7½ inches
Width: 7½ inches
Length: 4½ inches
Motor: Spring driven

Reel Speed: Up to 1000 WPM
Reel Size: 7½ inches
Core Size: 2 inches
Capacity: 350 ft. fully perforated tape
       170 ft. chadless tape
Tape Widths: 11/16, ⅞ and 1 inch

PART NO. 146822 is a modification kit which adapts spring-driven tape winders for handling the plastic reels used in Telespeed Tape-to-Tape Systems. It can be used on the following winders: 115739, 115753, 115754 and 123587.

TW 200 TAPE WINDER*
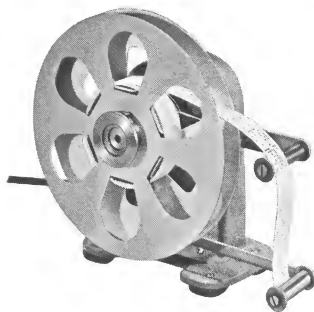
The TW 200 can be adapted to wind tape from either the right or the left by simple relocation of a few parts.

Weight: 6½ lbs.
Height: 9⅛ inches
Width: 6 inches
Length: 10 inches
Motor: 115 volt, 60 cycle, a.c.

Reel Speed: 60 RPM; up to 914 WPM at core
Reel Size: 8 inches
Core Size: 3 inches
Capacity: 600 ft. fully perforated tape
       300 ft. chadless tape
Tape Widths: ⅜, 15/32, 11/16, ⅞ and 1 inch

PART NO. 146626 is a modification kit for adapting existing tape winders, such as the TW 200, for handling the plastic reels on High Speed Telespeed Equipment.

TW 203 TAPE WINDER*
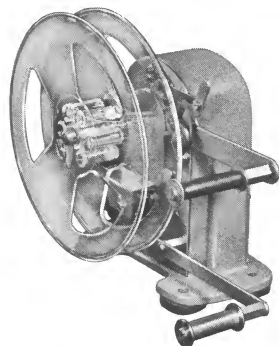
The TW 203 is similar to the TW 200 but is equipped with a special spindle and plastic reel directly interchangeable with those in a Telespeed Tape-to-Tape System. The winder includes provisions for fixed mounting positions.

Weight: 6½ lbs.
Height: 9⅛ inches
Length: 10½ inches
Width: 6¼ inches
Motor: 115 volt, 60 cycle, a.c.

Reel Speed: 60 RPM; up to 628 WPM at core
Reel Size: 7½ inches
Core Size: 2 inches
Capacity: 650 ft. fully perforated tape
       325 ft. chadless tape
Tape Widths: 11/16, ⅞ and 1 inch

TW 204 TAPE WINDER*

Like the TW 203, the TW 204 has a plastic reel directly interchangeable with those on Telespeed equipment, but is especially suitable for use with Model 35 equipment.

Weight: 7½ lbs.
Height: 9⅛ inches
Length: 10½ inches
Width: 6¼ inches
Motor: 115 volt, 60 cycle, a.c.

Reel Speed: 60 RPM; up to 628 WPM at core
Reel Size: 7½ inches
Core Size: 2 inches
Capacity: 650 ft. fully perforated tape
       325 ft. chadless tape
Tape Widths: 11/16, ⅞ and 1 inch

*Available in various colors

TAPE UNWINDERS

146815 TAPE CENTER UNWINDER

The 146815 tape center unwinder is capable of accepting perforated tape for subsequent center pay-out to a tape reader operating at speeds up to 100 words per minute.
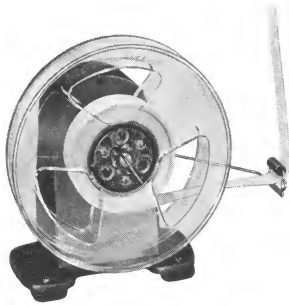
Reel Diameter: 12 inches
Weight: 2 lbs.
Core Size: 2⅝ inches

Capacity: 1800 ft. fully perforated tape
1000 ft. chadless tape
Tape Widths: 11/16, ⅞ and 1 inch

146892 TAPE UNWINDER

The 146892 tape outside unwinder operates at speeds up to 1050 words per minute. It is equipped with a standard Telespeed Tape-To-Tape system reel, easily removed for renewing the tape supply. A tension-limiting arm operates a braking mechanism to prevent reel over-run and to maintain proper tension while the unit is operating. Positioning a lever permits free-wheeling of the reel.
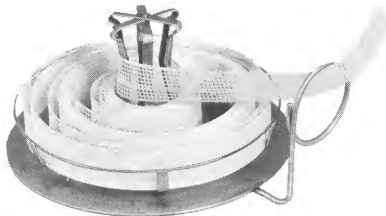
Height: 11 inches
Width: 10½ inches
Length: 6 inches

Weight: 3½ lbs.
Capacity: Up to 800 ft. fully perforated tape
Up to 400 ft. chadless tape
Tape Widths: 11/16, ⅞ and 1 inch

199935 TAPE CENTER UNWINDER

The 199935 tape center unwinder has a magnetic base and can accept tape from Telespeed reels. It operates at speeds up to 500 words per minute.
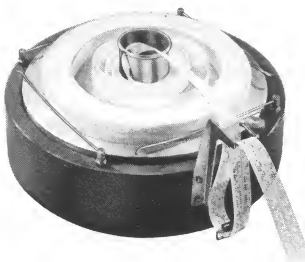
Reel Diameter: 6 inches
Weight: 1 lb.
Core Size: 2 inches

Capacity: 400 ft. fully perforated tape
200 ft. chadless tape
Tape Widths: 11/16, ⅞ and 1 inch

TF 200 TAPE CENTER UNWINDER (POWER DRIVEN)*

The TF 200 tape feeder is a power driven, center-unwind unit. It automatically adjusts to the requirements of high-speed transmitters or tape readers by means of a tape sensing arm which actuates the feeder's motor. Tape is fed from the center of the tape roll at speeds up to 2000 words per minute. Tape roll diameter is 12⅞ inches.

Diameter: 15 inches
Weight: 9 lbs.
Core Size: 2⅝ inches

Height: 7 inches
Capacity: 2000 ft. fully perforated tape
1000 ft. chadless tape
Tape Widths: 11/16, ⅞ and 1 inch

TUW 200 TAPE UNWINDER

The TUW 200 is a high-capacity high-speed tape outside unwinder for general applications. It has no reel and can accommodate up to 3,000 feet of punched or unpunched tape which it can feed out at speeds up to 2400 words per minute.

Height With Tape: 15 inches
Width: 5⅜ inches
Length: 20½ inches

Weight: 27 lbs.
Capacity: Up to 3000 ft. fully perforated tape
Up to 1500 ft. chadless tape
Tape Widths: 11/16, ⅞ and 1 inch

*Available in various colors

TAPE APPARATUS ENCLOSURES AND CABINETS

See Typical Applications Section, Pages 6 and 7.

TAPE APPARATUS SHELVES

See Typical Applications Section, Pages 6, 7 and 8.

TAPE GUIDES

See Typical Applications Section, Pages 6 and 7.

199931 INTERMEDIATE TAPE STORAGE BIN

The 199931 storage bin has sides of heavy-gauge plexiglass. It is designed for applications in which tape input and output approximate 60 to 100 words per minute as with Model 32 or 33 equipment. It holds about 100 feet of 11/16, 7/8 or 1 inch fully perforated or chadless tape. The bin measures 4 inches wide by 16½ inches long and 24 inches high, and weighs 8 lbs. It has provisions to accept waste chad from tape punching operations. See application on Page 8 and see Page 6 for another storage bin.
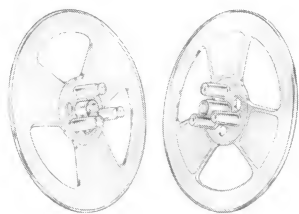
145911 REEL

This tape reel is used in the Telespeed Tape-To-Tape system as well as some other tape winders and unwinders shown in this folder. It handles up to 800 ft. of fully perforated tape or 400 ft. of chadless tape, from 11/16 to one inch wide. Reel diameter is 7½ inches with a 2-inch core. For more tape reels, see Page 8.

REEL ADAPTERS

See Typical Applications Section, Page 8.
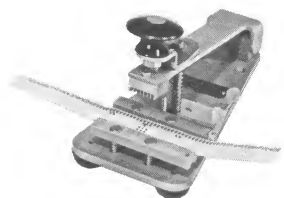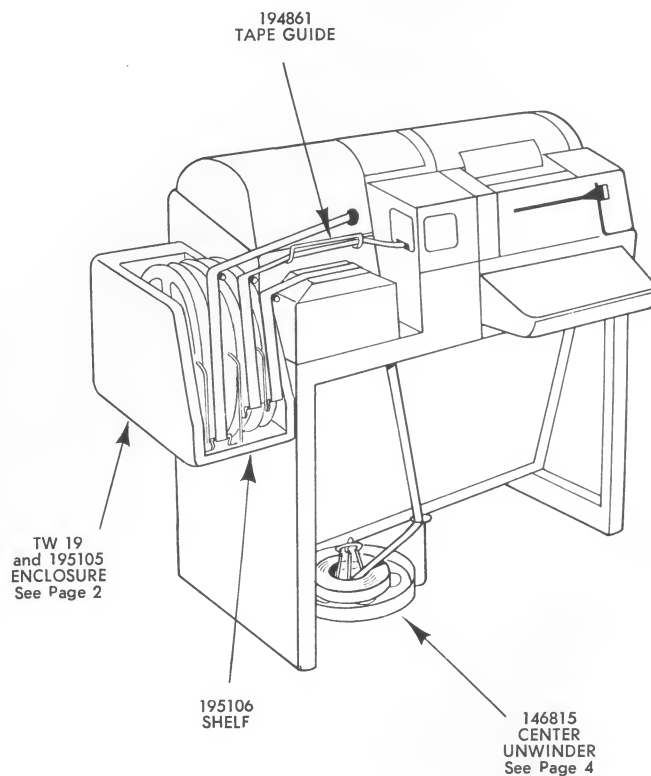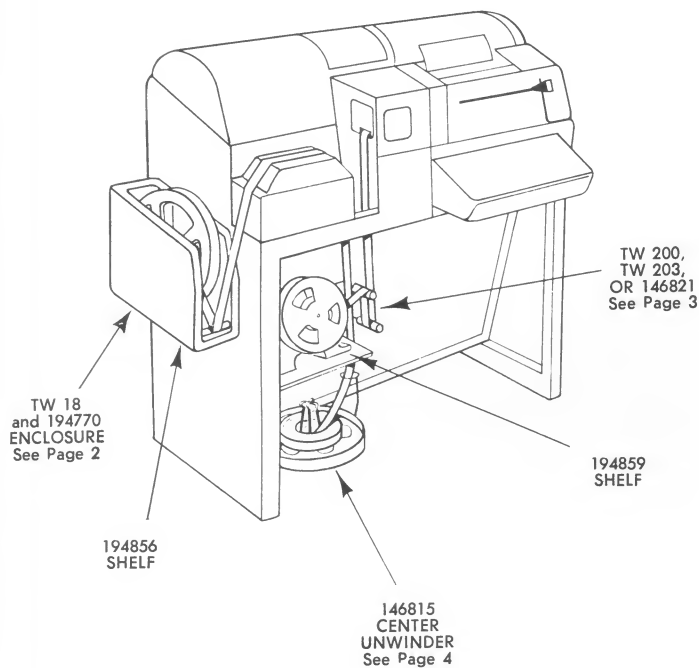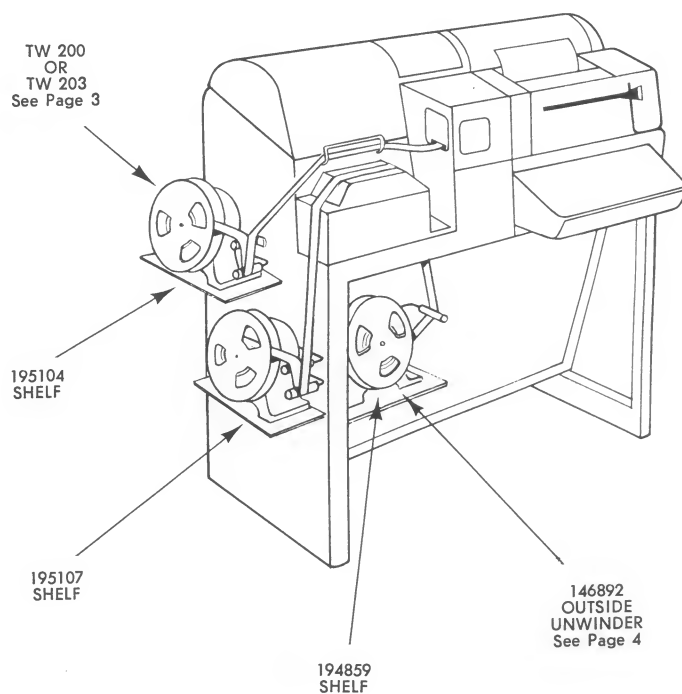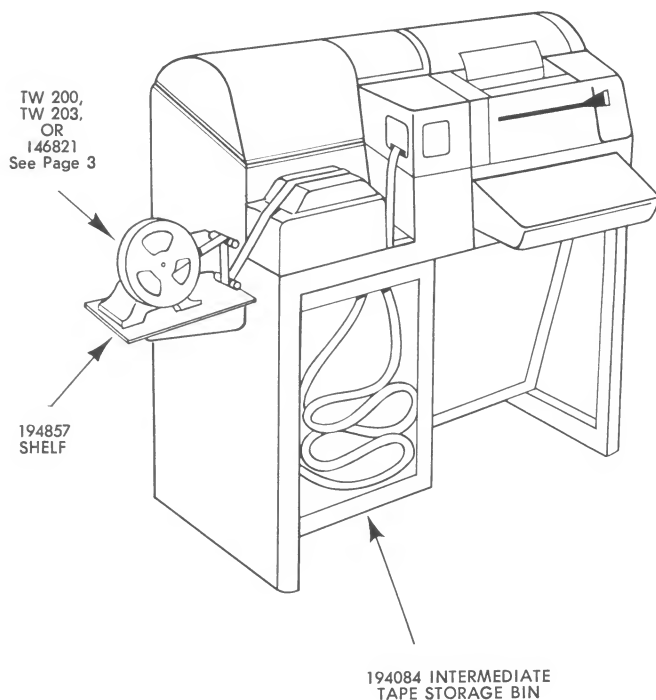
99214 TAPE SPLICER

This tape splicer joins the ends of two pieces of 11/16-inch chadless tape by compressing the partial perforations of one tape through the openings in the other. Thus it requires no bonding agent. Transmission can be accomplished without interruption after splice is made. It weighs 1¾ lbs. and measures 4 inches high by 3½ inches wide and 6½ inches long.
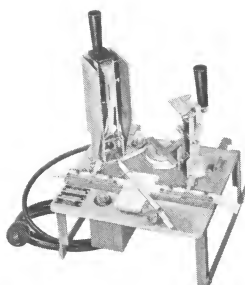
LTS TAPE SPLICER

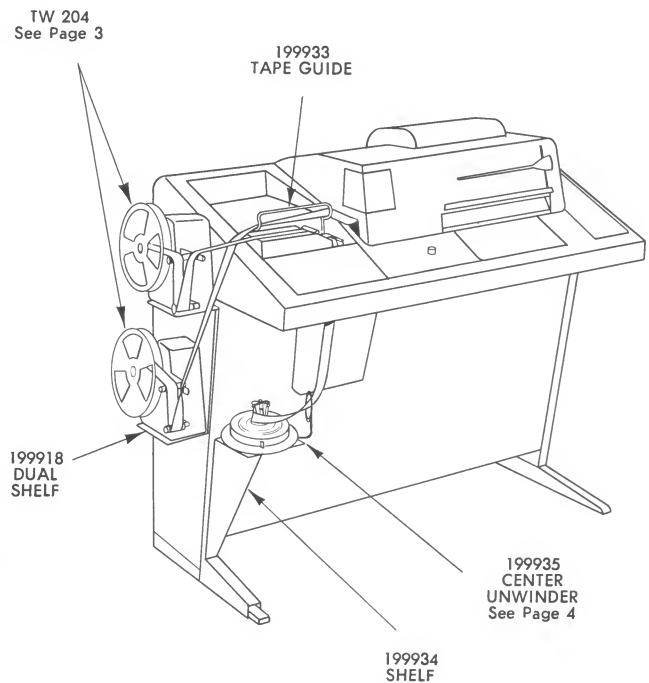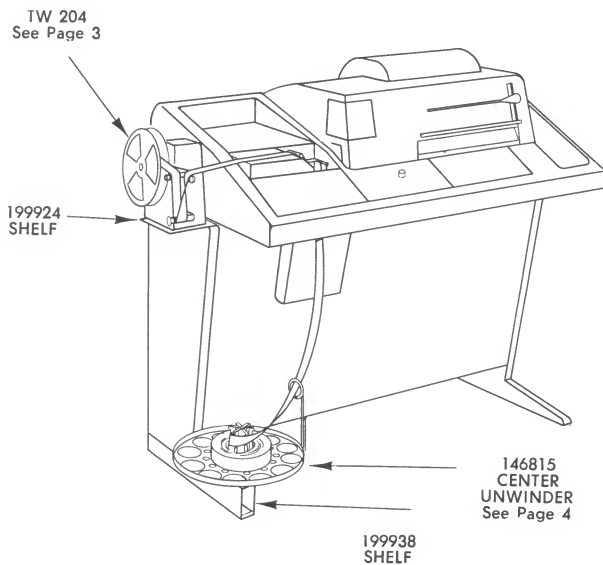The Model 28 LTS tape splicer is designed to single butt splice the end of a nearly depleted roll of 11/16-inch tape to the beginning of a fresh supply. This assures a continuous flow of tape. The bonding agent is ¼-inch wide #9 white manifold onion skin, .0015 inch thick. The 6¼-lb. unit can be used 90 seconds after power is turned on. It measures 12½ inches high by 8½ inches wide and 9¼ inches long.

TYPICAL MODEL 28 APPLICATIONS

TW 200,
TW 203,
OR
146821
See Page 3

194857
SHELF

194084 INTERMEDIATE
TAPE STORAGE BIN

TW 200
OR
TW 203
See Page 3

195104
SHELF

195107
SHELF

194859
SHELF

146892
OUTSIDE
UNWINDER
See Page 4

TW 200,
TW 203,
OR 146821
See Page 3

TW 18
and 194770
ENCLOSURE
See Page 2

194856
SHELF

194859
SHELF

146815
CENTER
UNWINDER
See Page 4

194861
TAPE GUIDE

TW 19
and 195105
ENCLOSURE
See Page 2

195106
SHELF

146815
CENTER
UNWINDER
See Page 4

TYPICAL MODEL 35 APPLICATIONS

TW 204
See Page 3

199924
SHELF

146815
CENTER
UNWINDER
See Page 4

199938
SHELF

TW 204
See Page 3

199933
TAPE GUIDE

199918
DUAL
SHELF

199935
CENTER
UNWINDER
See Page 4

199934
SHELF

TYPICAL TELESPEED APPLICATIONS

TF 200
and 148163
SHELF
OR
TUW 200
and 148164
SHELF
See Page 4

TW 17 and
148135
ENCLOSURE
and 148164
SHELF
See Page 2

TUW 200
See Page 4

AC 332
FOR RIGHT OR
LEFT MOUNTING

TW 17
See Page 2
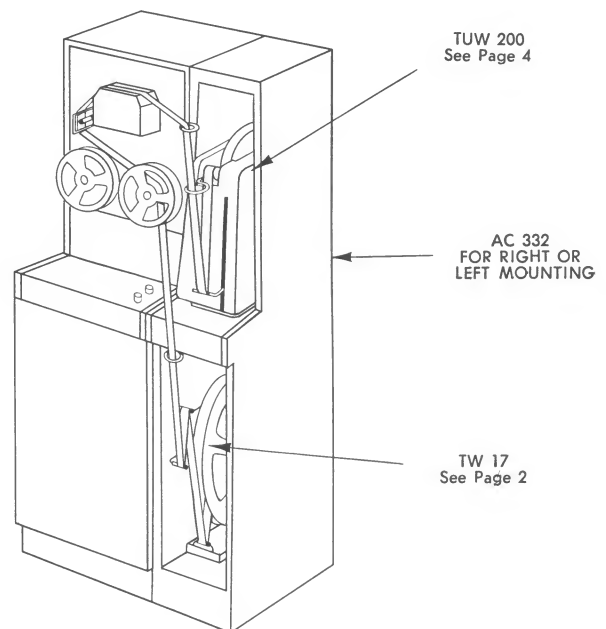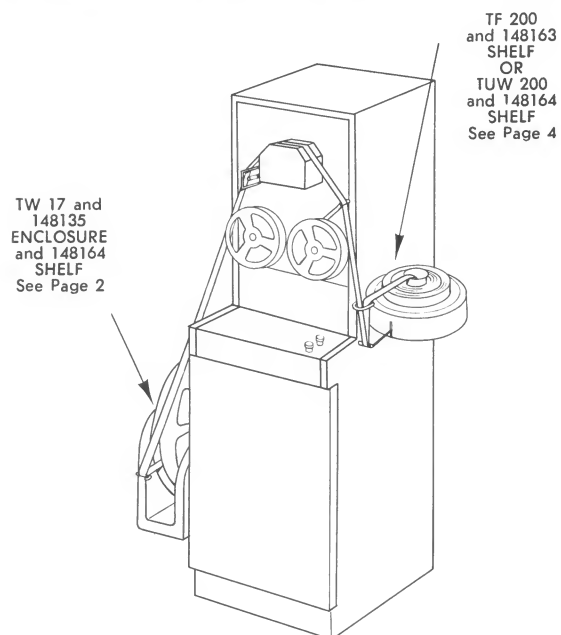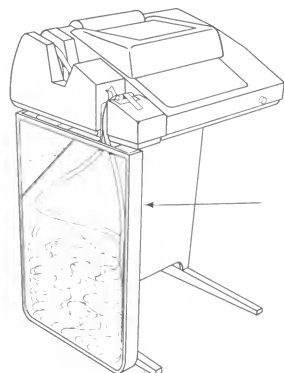
199931
INTERMEDIATE
TAPE STORAGE BIN
See Page 5
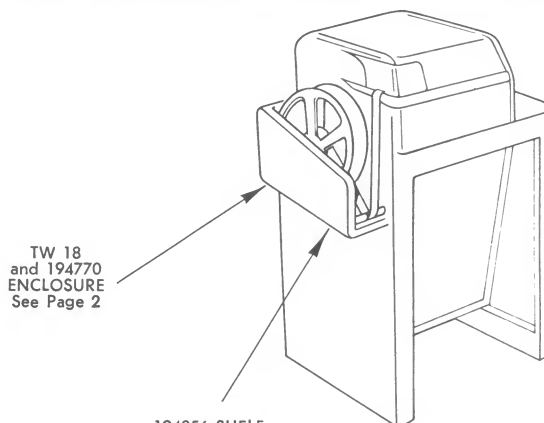
TW 18
and 194770
ENCLOSURE
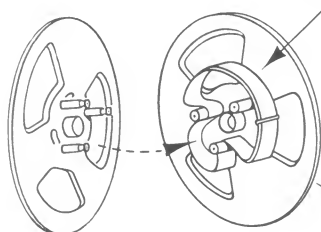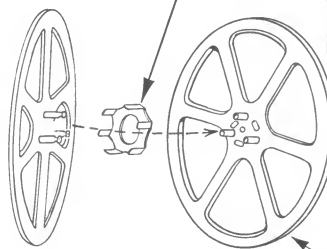See Page 2

194856 SHELF

USE 3¼-INCH ADAPTER 146698
IF ACCUMULATED TAPE IS TO
BE TRANSFERRED TO A CENTER
UNWIND REEL

USE 4½-INCH ADAPTER 146806
IF TAPE IS TO BE TRANSFERRED
TO A REEL WITH A 4½-INCH
DIAMETER CORE

145911 REEL
See Page 5

USE ADAPTER 194442
IF TAPE IS TO BE TRANSFERRED FROM
A 1-INCH 194769/162823 REEL TO A
REEL WITH A 3¼-INCH CORE

USE ADAPTER 199468
IF TAPE IS TO BE TRANSFERRED
FROM AN 11/16-INCH 162824/162823
REEL TO A REEL WITH A 3¼-INCH CORE

RIM DRIVEN REEL
WITH 2,000 FT.
CAPACITY FULLY
PERFORATED TAPE

A TELETYPE APPLICATIONS SPECIALIST . . .

is always on hand to answer questions or to assist you in system planning. Call or write to him soon!

GENERAL OFFICES

Teletype Corporation
5555 Touhy Avenue
Skokie, Illinois 60078
PHONE: 676-1000, Skokie
Direct Distance Dialing
Area Code 312

TWX: 910-223-3611
(24-hour automatic
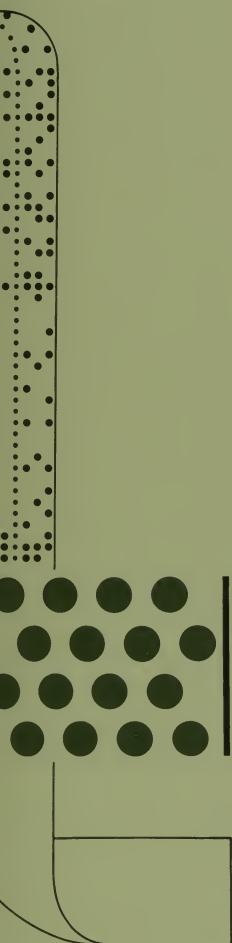answering service)
W. U. Service on premises
TELEX: 02-5451

GOVERNMENT LIAISON OFFICE

Teletype Corporation
425—13th Street, N.W.
Washington, D.C. 20004
PHONE: ME 8-1016
Direct Distance Dialing
Area Code 202

TELETYPE

TELETYPE

EPARATION

TELETYPE

®

Printed in U.S.A.

machines that make data move

TELETYPE ®

HERE'S VERSATILITY FOR YOUR DATA COMMUNICA

INCREASES YOUR PAPER T
Teletype keyboard-punches can
perforators to increase capacity
tion at far less cost than for mo
equipment.

For example, if excessive traff
preparation time, a variety of t
simultaneously using a number
Later, the data on these tapes ca
Teletype ASR (automatic send-re
speeds. In addition to minimizing
line time, the keyboard-punches f
cept incoming messages while tap

Master tapes containing various
be completed using Teletype k
stored for later use. Thus, such
data, inventory records, and ship
be punched on paper tape for fu
vantage is that tapes prepared
can be used to transmit data to d
directly into computers and other

At remote locations, data can
tape using the keyboard-punch, ar
a Teletype tape reader. These t
provide you with inexpensive t
communicate sales and inventory
locations, as well as other statisti

PROVIDES CONTINUOUS OF
The compact Teletype keyboard-p
performance. They are built for
with a minimum of maintenance,
only every six months or after 1,5
operation, whichever occurs first.

Easily mounted anywhere, th
perforate coded information at s
acters per second (150 words per

A new, vastly improved line of Teletype keyboard-punches has been developed to meet the most exacting requirements of modern data communications. These self-contained sets provide the fastest, most economical and reliable method to prepare punched paper tape whenever page copy is not required.

SPECIFICATIONS

Height . . . . 12-in.
Width . . . . 16-in.
Depth . . . . .18¹/₂-in.
Weight . . . . 50 lbs., approx.
Power Requirements . . . . .115 volts, 60 cycles

INCREASES YOUR PAPER TAPE CAPABILITIES

Teletype keyboard-punches can be used as auxiliary perforators to increase capacity for local tape preparation at far less cost than for more complex paper tape equipment.

For example, if excessive traffic is cutting into tape preparation time, a variety of tapes can be prepared simultaneously using a number of keyboard-punches. Later, the data on these tapes can be transmitted by a Teletype ASR (automatic send-receive) set at maximum speeds. In addition to minimizing tape preparation and line time, the keyboard-punches free page printers to accept incoming messages while tapes are being punched.

Master tapes containing various fixed information can be completed using Teletype keyboard-punches and stored for later use. Thus, such information as billing data, inventory records, and shipping instructions can be punched on paper tape for future use. Another advantage is that tapes prepared on keyboard-punches can be used to transmit data to distant locations or fed directly into computers and other business machines.

At remote locations, data can be punched on paper tape using the keyboard-punch, and then transmitted by a Teletype tape reader. These two sets together can provide you with inexpensive terminal equipment to communicate sales and inventory reports, railroad car locations, as well as other statistics and data.

PROVIDES CONTINUOUS OPERATION

The compact Teletype keyboard-punches provide quiet performance. They are built for continuous operation with a minimum of maintenance, and need lubricating only every six months or after 1,500 hours of top speed operation, whichever occurs first.

Easily mounted anywhere, these units will fully perforate coded information at speeds up to 15 characters per second (150 words per minute).

Spacing of the coded punched holes is ten characters per inch. With the typing keyboard-punch, a printed character appears between the tape's feedholes, six spaces behind its respective punched code combination. A built-in vacuum system deposits all chad into an easily emptied bag. Clear laminated glass provides an unobstructed view of punching operation, tape supply, and automatic character counter.

THREE KEYBOARD-PUNCHES AVAILABLE

The Teletype line of keyboard-punches consists of three basic units to meet a variety of communication needs. These are:

> Five-Level Keyboard-Punch
> Eight-Level Keyboard-Punch
> Eight-Level Typing Keyboard-Punch

OTHER FEATURES

Among the many features of the Teletype keyboard-punches are: an automatic character counter, useful in computer applications and adjustable to 100 characters; a red "end-of-line" warning light; a rapid tape feedout to provide a tape buffer before and after coded messages; an automatic lock that prevents accidentally depressing two keys simultaneously; and a "BACK-SPACE" and "RUB-OUT" key to "erase" tape errors.

Probably the most significant feature of Teletype keyboard-punches is reliability. These units are built to withstand continuous operation at top speed day-in and day-out.

That is why this equipment is made for the Bell System and others who require utmost reliability at the lowest possible cost.

If you are interested in a Teletype keyboard-punch or merely require additional information, contact one of our application engineers at our general office address listed on the back page.

The Eight-Level Keyboard-Punch perforates an eight-level code that is compatible with the American Standard Code for Information Interchange. This means it can communicate with most computers and other business machines. Its four-row keyboard eliminates the "shift" in punching common punctuation marks or numbers.

Note the compactness of the keyboard-punch with the lid off, and how easy it is to replace the tape. You merely slip it into the tape holder and thread it through the punch.

The Five-Level Keyboard-Punch perforates a five-level code. It has a three-row keyboard that uses the "LTRS-FIGS" shift.

TELETYPE

TELETYPE KEYBOARD-PUNCHES FOR PAPER TAPE PREPARATION